

[54] DUAL LATERAL SWITCH DEVICE

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[57]

ABSTRACT

A dual switch apparatus has two switches simulta-

neously actuated in response to a single touch force where at least one of the switches has a pressure responsive variable contact resistance. A first support member has a first and a second conductor disposed thereon and a second support member has a third and a fourth conductor disposed thereon so that the first and third conductors and the second and fourth conductors have mirror image conductor patterns. A semiconducting composition layer is disposed to cover at least one of the four conductors. The first and second support members are positioned facing one another with the first and third conductors and the second and fourth conductors transversely aligned so that a transverse force causes the first and third conductors and the second and fourth conductors to move into electrically conducting relationship. A spacer maintains the first and second support members in normally spaced relationship. A utilization circuit may be coupled across each of the first and third and second and fourth conductors. In one embodiment, the first conductor has two electrically isolated contact members with interdigitating fingers with the third conductor acting as a shunt.

12 Claims, 3 Drawing Figures

